

Claims

- 1 1. A polymer composite basement door comprising:
2 a polymer composite frame positioned on a foundation surrounding an opening
3 adjacent a building structure, the frame having opposed triangular sidewalls
4 having a base, vertical leg, upper sloping surface, end and inner and outer
5 walls and a header plate connecting each sidewall, with the header plate
6 and vertical leg adjacent the building structure;
7 one or more polymer composite door leafs hinged to the sidewalls for
8 movement between an elevated open position providing access to the
9 opening and a closed position covering the opening;
10 one or more through openings in one or both of the sidewalls and/or door leafs
11 or other door assembly component; and
12 one or more inserts in the through opening.
- 1 2. The basement door of claim 1 wherein the insert is a window.
- 1 3. The basement door of claim 1 wherein the insert is a screen.
- 1 4. The basement door of claim 1 wherein the inserts may be changed without
2 the use of tools.
- 1 5. A polymer composite basement door comprising:
2 a polymer composite frame positioned on a foundation surrounding an opening
3 adjacent a building structure, the frame having opposed triangular sidewalls
4 having a base, vertical leg, upper sloping surface, end and inner and outer
5 walls and a header plate connecting each sidewall, with the header plate
6 and vertical leg adjacent the building structure;
7 one or more polymer composite door leafs hinged to the sidewalls for
8 movement between an elevated open position providing access to the
9 opening and a closed position covering the opening; and

10 one or more accessible elongated longitudinal slotted through openings in the
11 base for fastening the base to the foundation and one or more accessible
12 through openings in the leg for fastening the leg to the structure or to an
13 extender.

1 6. The basement door of claim 5 wherein the length of the slots increase
2 toward the end of the sidewall.

1 7. The basement door of claim 6 wherein there are at least two accessible
2 through openings in the leg with the upper opening being slotted and angled to the
3 vertical axis of the sidewall.

1 8. The basement door of claim 7 further comprising a sill positioned transverse
2 to the opposed sidewalls at the end of the sidewalls and having a plurality of
3 elongated longitudinal slots through openings for fastening the sill to the
4 foundation.

1 9. A polymer composite basement door comprising:
2 a polymer composite frame positioned on a foundation surrounding an opening
3 adjacent a building structure, the frame having opposed triangular sidewalls
4 having a base, vertical leg, upper sloping surface with an inner edge, end,
5 and inner and outer walls and a header plate connecting each sidewall, with
6 the header plate and vertical leg adjacent the building structure; and
7 one or more polymer composite door leafs hinged to the sidewalls for
8 movement between an elevated open position providing access to the
9 opening and a closed position covering the opening;
10 wherein the header plate has a straight rear edge for positioning against the
11 structure and a U-shaped front edge having a left arm and a right arm, which
12 arms mate with the corresponding opposed triangular sidewalls and form a
13 gap between the ends of the arms and the end of the upper sloping surface

14 of the sidewalls wherein water entering the gap is diverted away from the
15 opening by gravity and the inner edge of the sidewall.

1 10. The basement door of claim 9 wherein the front edge of the header plate has
2 a raised lip for diverting water from the opening being enclosed.

1 11. A polymer composite basement door comprising:
2 a polymer composite frame positioned on a foundation surrounding an opening
3 adjacent a building structure, the frame having opposed triangular sidewalls
4 having a base, vertical leg, upper sloping surface, end and inner and outer
5 walls and a header plate connecting each sidewall, with the header plate
6 and vertical leg adjacent the building structure;
7 one or more polymer composite door leafs hinged to the sidewalls for
8 movement between an elevated open position providing access to the
9 opening and a closed position covering the opening; and
10 one or more extenders comprising opposed vertical extension members and a
11 mating horizontal member, which members extend the door away from the
12 structure being enclosed.

1 12. The basement door of claim 11 wherein the vertical extension members
2 have a base with one or more openings for securing the member to the foundation
3 and vertical sidewalls with one or more openings for securing the member to to a
4 sidewall, another vertical member or to the structure being enclosed.

1 13. The basement door of claim 12 wherein the upper opening in the vertical
2 sidewall is slotted at an angle to the vertical axis of the sidewall.

1 14. The basement door of claim 13 wherein the opening in the base of the
2 vertical member is slotted.

1 15. A polymer composite basement door comprising:
2 a polymer composite frame positioned on a foundation surrounding an opening
3 adjacent a building structure, the frame having opposed triangular sidewalls
4 having a base, vertical leg, upper sloping surface, end and inner and outer
5 walls and a header plate connecting each sidewall, with the header plate
6 and vertical leg adjacent the building structure;
7 one or more polymer composite door leafs hinged to the sidewalls for
8 movement between an elevated open position providing access to the
9 opening and a closed position covering the opening;
10 one or more through openings in one or both of the sidewalls and/or door leafs
11 or other door assembly;
12 one or more inserts in the through opening; and
13 one or more accessible elongated slotted through openings in the sidewall base
14 for fastening the base to the foundation and one or more accessible through
15 openings in the sidewall leg for fastening the leg to the structure being
16 enclosed or to an extender;
17 wherein the header plate has a straight rear edge for positioning against the
18 structure and a U-shaped front edge with a left arm and right arm and a
19 raised lip.

1 16. The basement door of claim 15 wherein the insert is a screen or window.

1 17. The basement door of claim 16 wherein the length of the slotted through
2 openings in the sidewall base increase toward the end of the sidewall.

1 18. The basement door of claim 17 wherein the upper opening in the sidewall
2 leg is slotted and angled to the vertical axis of the sidewall.

1 19. The basement door of claim 18 wherein the upper surface of the sidewall
2 has an inner edge which diverts water from the opening where the end of the
3 header plate arms mate with the upper surface of the sidewall.

1 20. The basement door of claim 19 further comprising one or more extenders for
2 extending the door away from the structure being enclosed.